IN THE CLAIMS

Claim 1 **(currently amended)**. A dose-measurement film (100) for the measurement of UV radiation**,** ~~**and/or**~~ electron-beam radiation**, or both,** with a radiation-sensitive layer (11), ~~characterized in that outer foils~~ **wherein covering films** (10, 12) ~~**have been**~~ **are** provided on both sides of the radiation-sensitive layer (11).

Claim 2 **(currently amended)**. The dose-measurement film as claimed in claim 1, ~~characterized in that~~ **wherein** the radiation-sensitive layer (11) ~~**reacts with coloration to UV radiation or electron-beam radiation, and in particular the radiation-sensitive layer (11)**~~ comprises the dye pararosaniline nitrile.

Claim 3 **(currently amended)**. The dose-measurement film as claimed in claim 1 ~~**or 2, characterized in that**~~ **wherein** the radiation-sensitive layer (11) comprises an **iron oxide** opacifier~~**, in particular iron oxide**~~.

Claim 4 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 3, characterized in that**~~ **claim 1, wherein** the thickness of the radiation-sensitive layer (11) is from 1 to 150 µm~~**, in particular from 2 to 250 µm**~~.

Claim 5 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 4, characterized in that the**~~ **claim 1, wherein the** thickness of the ~~**outer foils**~~ **covering films** (10, 12) ~~**has been designed in such a way that**~~ **is a thickness which allows** from 0.1% to 95%~~**, and in particular from 1% to 50%,**~~ of the UV radiation impacting the dose-measurement film ~~**preferably reaches**~~ **to reach** the radiation-sensitive layer (11).

Claim 6 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 5, characterized in that**~~ **claim 1, wherein** the ~~**outer foils**~~ **covering films** (10, 12) are composed of plastic**,** ~~**and/or of**~~ coated paper **or both**.

Claim 7 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 6, characterized in that**~~ **claim 1, wherein** one or both of the ~~**outer foils**~~ **covering**

films (10, 12) are composed of a vapor-deposited metallic reflective layer or have been provided with a vapor-deposited metallic layer.

Claim 8 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 7, characterized in that**~~ **claim 1, wherein** the radiation-sensitive layer (11) ~~**has been deposited**~~ **is a layer formed by deposition** from a solvent onto ~~**an outer foil**~~ **one of said covering films** (10, 12).

Claim 9 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 8, characterized in that**~~ **claim 1, wherein** at least one of the ~~**outer foils**~~ **covering films** (10, 12) has ~~**been provided with**~~ an adhesive layer on its outward-facing side.

Claim 10 **(currently amended)**. The dose-measurement film as claimed in ~~**any of claims 1 to 9, characterized in that**~~ **claim 1, wherein** ~~**adhesive layers have been used for bonding of**~~ the radiation-sensitive layer (11) **is adhesively bonded** to the ~~**outer foil**~~ **covering film** (12)**,** ~~**and/or to**~~ the ~~**outer foil**~~ **covering film** (10)**, or both**.

Claim 11 **(currently amended)**. A dose-measurement method, ~~**in particular using a dose-measurement film (100) as claimed in any of claims 1 to 10, characterized in that**~~ **wherein**, in a measurement device, light is generated with two or more different wavelengths for determination of the optical transmittance of the dose-measurement film (100) **of claim 1** at the different wavelengths, using a light source switchable between the different wavelengths.

Claim 12 (original). The dose-measurement method as claimed in claim 11, wherein a photodiode is used to generate the light.

Claim 13.**(currently amended)** The dose-measurement method as claimed in claim 11 ~~**or 12**~~, wherein the dose-measurement film (100) is drawn by a motor through the measurement device.

Claim 14 **(currently amended)**. The dose-measurement method as claimed in ~~**any of claims 11 to 13**~~ **claim 11**, wherein measured values from the measurement device are transferred by way of an electronic connection to a computer, and ~~**in particular**~~ **a** direct display of the radiation dose in "mJ/cm^{2}" ~~**takes place**~~ **is provided**.

Claim 15 **(currently amended)**. The dose-measurement method as claimed in ~~**any of claims 11 to 14**~~ **claim 11**, wherein a representation of the radiation dose as a function of the location on the dose-measurement film (100) is read out from the measurement device.

Claim 16 **(currently amended)**. The dose-measurement method as claimed in ~~**any of claims 11 to 15**~~ **claim 11**, wherein the dose-measurement film (100) is irradiated exclusively with UVC radiation~~**, and in particular only with UV-C radiation,**~~ and with electromagnetic radiation of even shorter wavelength.

Claim 17 **(currently amended)**. The ~~**use of a dose-measurement film (100) as claimed in any of claims 1 to 10 for conduct of a**~~ dose-measurement method as claimed in ~~**any of claims 11 to 16 in a measurement device**~~ **claim 11** using a light source which can be switched over to emit light with two or more different wavelengths.

Claim 18 (new). The dose-measurement film as claimed in claim 3, wherein said opacifier is iron oxide.

Claim 19 (new). The dose-measurement film as claimed in claim 4, wherein said thickness is from 2 to 250 µm.

Claim 20 (new). The dose-measurement film as claimed in claim 5, wherein said thickness is a thickness which allows from 1% to 50%, of the UV radiation impacting the dose-measurement film to reach the radiation-sensitive layer (11).

Claim 21 (new). The dose-measurement method as claimed in claim 12, wherein the dose-measurement film (100) is drawn by a motor through the measurement device.